

Contents of Volume 147

(Abstracted/indexed in: Chemical Abstracts; Current Contents; Physical, Chemical & Earth Sciences; INSPEC; PASCAL/CNRS; MEDLINE)

Vol. 147 Nos. 1–2

Preface	1
Association of Amphiphiles with Hydrophobically Modified Polymers	
Rheology of hydrophobically modified polymers with spherical and rod-like surfactant micelles S. Panmai, R.K. Prud'homme, D.G. Peiffer (USA)	3
Effect of polymer architecture on the interactions of hydrophobically-modified poly-(<i>N</i> -isopropylamides) and liposomes A. Polozova, A. Yamazaki, J.L. Brash, F.M. Winnik (Canada).	17
Surfactant-mediated gelation of hydrophobically modified hydroxyethyl cellulose: effects of polymer and surfactant structure V. Kumar, C.A. Steiner (USA)	27
Surfactant and salinity influences on associative thickener aqueous solution rheology J.P. Kaczmarek, M.-R. Tarng, Z. Ma, J.E. Glass (USA)	39
Binding of sodium dodecylsulfate to poly(<i>N</i> -isopropylacrylamide) microgels at different temperatures E. Abuin, A. Leon, E. Lissi, J.M. Varas (Chile).	55
Interactions of aminoalkylcarbamoyl cellulose derivatives and sodium dodecyl sulfate. 2. Foam stabilization M.M. Guerrini, R.Y. Lochhead, W.H. Daly (USA)	67
Interaction of fluorescent surfactant 5-(<i>N</i> -octadecanoyl)aminofluorescein with polystyrene- <i>block</i> -poly(methacrylic acid) micelles M. Štěpánek, K. Krijtová, K. Procházka, Y. Teng, S.E. Webber (Czech Republic, USA).	79
Interactions of anionic surfactants with poly(ethylene oxide) and bovine serum albumin polymers: effect of the counterion hydrophobicity D. Zanette, C.F. Lima, Â.A. Ruzza, A.T.N. Belarmino, S. de F. Santos, V.L.A. Frescura, D.M.O. Marconi, S.J. Froehner (Brazil)	89
Polyelectrolyte-surfactant Complexes	
Self-organization in complexes of polyacids with oppositely charged surfactants V.A. Kasaikin, J.A. Zakharova (Russia)	107
² H NMR and polyelectrolyte-surfactant interactions: from micelles to monolayers to membranes P.M. Macdonald (Canada)	115
Interaction between poly(styrene sulfonate) and dodecylpyridinium chloride in ethanol-water mixed solvents K. Shirahama, J. Liu, I. Aoyama, N. Takisawa (Japan)	133
Interfacial properties of dynamic association between chitin derivatives and surfactants V. Babak, I. Lukina, G. Vikhoreva, J. Desbrières, M. Rinaudo (Russia, France)	139
Interactions of micelles with fluorescence-labeled polyelectrolytes Y. Morishima, M. Mizusaki, K. Yoshida, P.L. Dubin (Japan, USA)	149
Complex formation between polyacrylic acid and cationic/nonionic mixed micelles: effect of pH on electrostatic interaction and hydrogen bonding K. Yoshida, P.L. Dubin (USA)	161
Effect of polycarbonic acids on the molecular mobility of cationic surfactants in micelles V.A. Kasaikin, A.M. Wasserman, J.A. Zakharova, M.V. Motyakin, A.D. Kolbanovskiy (Russia, USA)	169
Effects of Surfactants on Gels	
Volume collapse of a cationic poly(ethyleneimine) gel induced by the binding of anionic surfactants E. Kokufuta, H. Suzuki, R. Yoshida, F. Kaneko, K. Yamada, M. Hirata (Japan)	179

Polymer-surfactant interactions: their cooperativity and stoichiometry	
N. Isogai, T. Narita, L. Chen, M. Hirata, J.P. Gong, Y. Osada (Japan)	189
Gelation of cholesterol-bearing pullulan by surfactant and its rheology	
S. Deguchi, K. Kuroda, K. Akiyoshi, B. Lindman, J. Sunamoto (Japan, Sweden)	203
Structural study of surfactant aggregates in polyelectrolyte gel	
A.V. Mironov, S.G. Starodoubtsev, A.R. Khokhlov, A.T. Dembo, A.N. Yakunin (Russia)	213
Metal colloid formation in the complexes of polyelectrolyte gels with oppositely charged surfactants	
L.M. Bronstein, O.A. Platonova, A.N. Yakunin, I.M. Yanovskaya, P.M. Valetsky, A.T. Dembo, E.S. Obolonkova, E.E. Makhaeva, A.V. Mironov, A.R. Khokhlov (Russia)	221
Inhomogeneous binding of ionic surfactants to bulk gels and microgels consisting of poly(<i>N</i> -isopropylacrylamide)	
H. Suzuki, E. Kokufuta (Japan)	233

Nonaqueous Systems

Ordering in self-organizing comb copolymer-like systems obtained by hydrogen bonding between charged or noncharged polymers and amphiphiles	
O. Ikkala, J. Ruokolainen, M. Torkkeli, J. Tanner, R. Serimaa, G. ten Brinke (Finland, The Netherlands)	241
Microphase separation in hydrogen bonding polymer/surfactant melts	
E. Dormidontova, G. ten Brinke (The Netherlands)	249
Complexes of oil-soluble amphiphilic copolymers and low-molecular mass surfactants	
K.N. Bakeev, E.A. Lysenko, W.J. MacKnight, A.B. Zezin, V.A. Kabanov (USA, Russia)	263

Vol. 147 No. 3

The interaction of Fe (II), Cu (II) and Ag (I) ions and their complexes with 1,10-phenanthroline adsorbed on silica gel	
O. Zaporozhets, O. Gawer and V. Sukhan (Kyiv, Ukraine)	273
The kinetics of desilication of synthetic spent Bayer liquor and sodalite crystal growth	
M.C. Barnes, J. Addai-Mensah and A.R. Gerson (Adelaide, Australia)	283
Chemistry and structure of aggregates formed with Fe-salts and natural organic matter	
A. Vilgé-Ritter, J. Rose, A. Masion, J.-Y. Bottero and J.-M. Lainé (Aix en Provence, France)	297
Reverse water-in-fluorocarbon emulsions as a drug delivery system: an <i>in vitro</i> study	
V.M. Sadtler, M.P. Krafft and J.G. Riess (Nice, France)	309
Study of wetting at the silicone oil/water/fibre interface	
A. Perwuelz, T. Novais De Olivera and C. Caze (Roubaix, France)	317
Interaction of crystalline bacterial cell surface proteins with lipid bilayers in liposomes. A sound velocity study	
T. Hianik, S. Küpcü, U.B. Sleytr, P. Rybár, R. Krivánek and U. Kaatz (Bratislava, Slovak Republic)	331
Alkyl sulfate surfactants as solubilizing agents of liposomes modeling the composition of the stratum corneum lipids	
A. de la Maza, O. Lopez, M. Cócera, L. Coderch and J.L. Parra (Barcelona, Spain)	341
Micelle formation and microenvironmental properties of sodium dodecyl sulfate in aqueous urea solutions	
C.C. Ruiz (Malaga, Spain)	349
Evaluation of a modified chitosan biopolymer for coagulation of colloidal particles	
J. Ruhsing Pan, C. Huang, S. Chen and Y.-C. Chung (Hsinchu, Taiwan)	359
The effect of different alcohols and other polar organic additives on the cloud point of Triton X-100 in water	
T. Gu (Beijing, PR China) and P.A. Galera-Gómez (Madrid, Spain)	365
Mesomorphic behaviour of <i>N</i> -(<i>n</i> -alkyl) pyridinium hydrogensulfates	
I. Stella and A. Müller (Greifswald, Germany)	371
Spontaneous emulsification: relation to microemulsion phase behaviour	
N. Shahidzadeh, D. Bonn (Paris, France), O. Aguerre-Chariol (Aubervilliers, France) and J. Meunier (Paris, France)	375
Author Index	381
Subject Index	383
Volume Contents	385

